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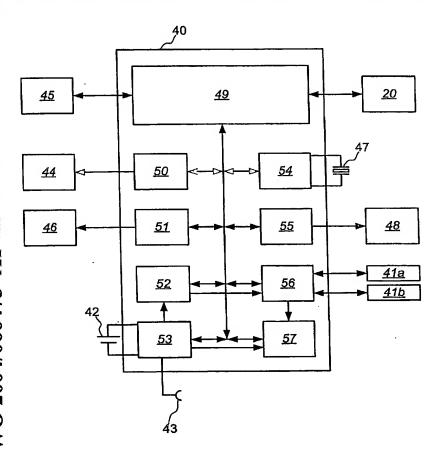
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(54) Title: POWER MANAGEMENT UNIT FOR PORTABLE ELECTRONIC EQUIPMENT



(57) Abstract: A power management unit (40) for a portable electronic apparatus is disclosed. The apparatus is powered by at least a battery (42), and the power management unit is implemented as an integrated circuit. The power management unit (40) may comprise a general purpose analog-to-digital converter block (57) comprising a first switch for selecting one of at least two analog input signals, and an analog-to-digital converter which is arranged to convert said selected analog input signal into a digital signal; an analog event generator block (52), which is arranged to provide an indication for controlling an operating state of said power management unit when an analog input signal assumes a predetermined relation to a predetermined reference value; a timer block (54), which is operable for providing a timing signal independently of which one of a plurality of operating states the power management unit is operable in; and/or a battery charge control block (53), which is capable of controlling a battery charge current based on an estimated charge power. Also disclosed is an electronic pen comprising the power management unit.

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Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD,

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